

Serial No.: 10/709,661  
Confirmation No.: 3039  
Applicant: JONSSON, Bertil *et al.*  
Atty. Ref.: 07589.0175.PCUS00

**REMARKS:**

**GENERAL:**

The original claims have been cancelled and new claims presented in order to more clearly recite the invention, as well as place them in better form for allowance.

Care has been taken to assure that no new matter has been added and each of the new claims finds antecedent basis in the claims and specification as originally filed. Still further, care has been taken to avoid the previous 35 U.S.C. § 112 rejections.

**REGARDING PATENTABLE SUBJECT MATTER OF THE NEW CLAIMS:**

Relevantly, the new independent claim 23 recites:

a support means (16) connected to the first cover means (13) for providing support to the control element (12, 12'), said support means (16) being accommodated interiorly within a structure (4) rearwardly located with respect to the combustion chamber (1) and said support means (16) being substantially concentrically oriented relative to a centerline of the combustion chamber (1).

In the Official Action, Examiner has taken the position that *Cornelius* '413 discloses a "cover means 66 being displaceable relative to the combustion chamber, and a support means (31) for the control element which is connected to the cover means 66, said support means (31) being accommodated in a structure (26) at a rear of the combustion chamber. See particularly Figures 1, 2 of *Cornelius*."

Initially, a careful review of *Cornelius* '413 teaches that in fact what is disclosed is:

End plate 15 is fixed by machine screws 20 (see also FIG. 2) to a squirrel-cage-like primary air entrance structure 22. This structure comprises eight parallel contoured bars 23 defining between them axially and radially extending entrance slots 24 for primary air; that is, the air in which the fuel is burned. . . The primary air entrance structure 22, in addition to the cylindrical body with more or less tangential inlet slots 24 . . . comprises a sleeve 66 (FIGS. 1-3) rotatable on the exterior of the structure 22 to vary air flow. . . Sleeve 66 is located axially between a radially extending flange on

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body 22 downstream of the entrance slots 24 and the cover plate 11. It has circumferentially extending ridges on its inner surface adjacent the edges to bear against the interior support on which it rotates. (Excerpts from column 3, line 33 - column 4, line 67 of *Cornelius* '413.

From this excerpt, it is clear that at a minimum, *Cornelius* '413 does not disclose "a support means (16) connected to the first cover means (13) for providing support to the control element (12, 12'), said support means (16) being accommodated interiorly within a structure (4) rearwardly located with respect to the combustion chamber (1)."

Moreover, claim 24 further recites that the "control element (12, 12') is exclusively supported on said support means (16) in an operating configuration, without contact with the combustion chamber (1)." Again, this arrangement is not disclosed, taught, or suggested in *Cornelius* '413.

Still further, claim 25 recites that the structure (4) within which the support means (16) is accommodated is thermally insulated from the combustion chamber (1), a feature that is also not disclosed, taught, or suggested in *Cornelius* '413.

The balance of the claims depend either directly or indirectly from one or more of the claims discussed immediately above and are therefore allowable for the same reasons asserted. It is also respectfully asserted that similar arguments prevail against Examiner's reference (but not rejection) to *Mongia et al.* '762.

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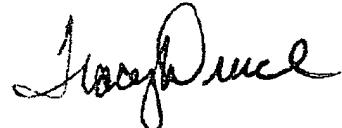
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The undersigned representative requests any extension of time that may be deemed necessary to further the prosecution of this application.

The undersigned representative authorizes the Commissioner to charge any additional fees under 37 C.F.R. 1.16 or 1.17 that may be required, or credit any overpayment, to Deposit Account No. 14-1437, Order No. 07589.0175.PCUS00.

In order to facilitate the resolution of any issues or questions presented by this paper, the Examiner should directly contact the undersigned by phone to further the discussion.

Respectfully submitted,



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